



## Entry Level Structural Engineer

### About Us:

#### *Who are we?:*

Racey Engineering, PLLC is a privately held small business and HubZone in the Shenandoah Valley. Our single office is located in Luray, VA, however we serve our core clients up and down the I-81 corridor and throughout Virginia. We believe in fostering a culture of accountability, transparency, and continuous improvement. Our diverse team brings together a wealth of experience from various industries, allowing us to provide unique insights and solutions tailored to our clients' needs.

#### *What is our Purpose?:*

Provide Value | Create Opportunity | Enhance Community

#### *What are our Core Values?:*

- Accountable - We each take responsibility for our actions, commitments, and delivering results.
- Loyal- We demonstrate dedication and faithfulness to the company, the team, and its goals. This basis of support then conveys down to our clients and community.
- Passionate - We approach our work with enthusiasm, energy, and a deep commitment to excellence.
- Honest - Communication is key within our team and our clients. We communicate with integrity, transparency, and authenticity, even when it's difficult.
- Adaptive - We embrace change and flexibility with a positive mindset, and adjust to new challenges or environments.

### Duties and Responsibilities:

We are looking for qualified Structural Engineering candidates to join our team. We are seeking an entry-level Structural Engineer to join our growing team. Ideal candidates are independent thinkers, self-motivated, communicate proactively, and enjoy collaborating with other disciplines throughout the design process.

Specific duties include, but are not limited to:

- Assist in the design and development plans and details for foundations, buildings, and structures based on preliminary concepts, sketches, calculations, or verbal instructions.
- Assist in the development of structural models and project drawings using Revit and AutoCAD software, while understanding the scope of SD, DD, and CD level documents and be able to prepare and deliver drawings at the appropriate level
- Familiarity and ability to coordinate with architecture, other engineering disciplines, and related fields (e.g., civil, environmental, electrical, mechanical)
- Conducts site visits during planning, design, and construction phases to inspect field conditions, monitor work, and gather data and assess structural integrity.
- Assist in preparation of technical reports, construction progress reports, shop drawings, material lists, and submittals
- Depending on your experience, you will receive design (analysis and detailing) tasks and project management responsibilities that will give you the opportunity to grow into a thoughtful, experienced, and agile structural engineer. We have a top-notch team of licensed engineers at all experience levels to provide training, mentoring, and support to round out and build up your technical and management skills.





#### Qualifications:

- Bachelor's degree in Civil Engineering with emphasis on structural design. EIT designation is a plus.
- Analysis and computer modeling experience (e.g., SkyCIV, RISA, CSI, etc.) is a plus.
- Knowledge of building codes and design standards (IBC, ASCE, AISC, NDS for Wood Design, ACI, etc.)
- Experience with drafting and modeling software (Revit and AutoCAD). *Proficiency with REVIT is highly preferred.*
- Experience in building structural engineering, with emphasis on managing and coordinating building engineering projects through design and construction is a plus.
- Knowledge of construction industry practices, quality control, safety requirements, and related standards, with the ability to apply these to building engineering and site design projects.
- Experience with structural systems, including but not limited to, design of steel, reinforced concrete, masonry, cold-formed and PEMB structures, as well as general construction practices.
- Experience with bridge structures and construction engineering practices is a plus.
- Ability to work effectively within an A/E environment with a commitment to fostering collaborative teamwork.
- Ability and desire to provide outstanding service to our clients by adding value to each of our projects and designs.
- Ability to prioritize tasks, meet deadlines and work collaboratively and simultaneously on multiple projects.
- Self-motivation with an eagerness to learn and a desire to grow in your career.
- Excellent verbal and written communication skills.
- State driver's license in good standing

#### BE A PART OF AN OUTSTANDING TEAM!

Racey Engineering is a 2025 Best Places to Work in Virginia firm, and we offer an excellent and ever-growing benefits package for our employees. A few of our benefits include:

- Health Insurance (\$0 deductible, 75% employee paid by Employer)
- Group Term Life Insurance
- Dental, vision, and other supplemental insurances
- Flexible spending
- 401K plan with Employer Match
- Paid leave and holidays
- Education and tuition reimbursement programs (EIT and PE)
- Referral bonus program

#### Opportunity Awaits!

At Racey Engineering, you will find a family-like culture that cares about you (and your family) and making a meaningful impact in our communities. You'll be able to work on exciting projects all over the Commonwealth, while empowering you to learn and grow your technical and professional skills. We are looking for passionate individuals who share our values and are eager to contribute to a thriving work environment. If you are ready to take on new challenges, grow your skills, and make a meaningful impact in our communities, we'd love to hear from you.

Racey Engineering, PLLC is an Equal Opportunity Employer

Visit our website to apply:

<https://www.raceyengineering.com/careers/job-openings-and-application>

